

IN THE CLAIMS

Please cancel Claims 20, 25, 29, 30, 31, and 32.

Please Amend Claims 1, 7-15, 22, 24, 26 and 27 as follows:

1. (currently amended) An outward facing camera system comprising:

a plurality of equatorial cameras distributed evenly about an origin in a plane; and

a plurality of polar cameras coupled to the equatorial cameras and tilted above the ~~plane~~ plane, wherein a polar camera has a vertical field of view which overlaps a vertical field of view of an equatorial camera.

2. (original) The outward facing camera system of Claim 1, wherein the equatorial cameras face radially outwards from the origin.

3. (original) The outward facing camera system of Claim 1, wherein the polar cameras face radially outwards from the origin.

4. (original) The outward facing camera system of Claim 1, wherein a first equatorial camera is offset approximately 90 degrees from a second equatorial camera.

5. (original) The outward facing camera system of Claim 1, wherein each equatorial camera is offset from an adjacent equatorial camera by the same equatorial adjacent angle.

6. (original) The outward facing camera system of Claim 1, wherein each of the polar cameras is tilted out of the plane by an equatorial offset angle.

7. (currently amended) ~~The outward facing camera system of Claim 6~~ An outward facing camera system comprising:

a plurality of equatorial cameras distributed evenly about an origin in a plane; and

a plurality of polar cameras coupled to the equatorial cameras and tilted above the plane, wherein each of the polar cameras is tilted out of the plane by an equatorial offset angle and wherein the equatorial offset angle is in the range of 52 to 76 degrees inclusive.

a'
8. (currently amended) ~~The outward facing camera system of Claim 1,~~ An outward facing camera system comprising:

a plurality of equatorial cameras distributed evenly about an origin in a plane; and

a plurality of polar cameras coupled to the equatorial cameras and tilted above the plane, wherein the plurality of equatorial cameras outnumber the first plurality of polar cameras.

9. (currently amended) ~~The outward facing camera system of Claim 1,~~ An outward facing camera system comprising:

a plurality of equatorial cameras distributed evenly about an origin in a plane; and

a plurality of polar cameras coupled to the equatorial cameras and tilted above the plane, wherein each of the polar cameras is separated by a polar adjacent angle equal to approximately 120 degrees.

10. (currently amended) ~~The outward facing camera system of Claim 1,~~ An outward facing camera system comprising:

a plurality of equatorial cameras distributed evenly about an origin in a plane, wherein a vertical field view of a first equatorial camera is equal the vertical field view of a second equatorial camera; and

a plurality of polar cameras coupled to the equatorial cameras and tilted above the plane.

11. (currently amended) ~~The outward facing camera system of Claim 1,~~ An outward facing camera system comprising:

Q' a plurality of equatorial cameras distributed evenly about an origin in a plane, wherein a horizontal field view of a first equatorial camera is equal the horizontal field view of a second equatorial camera; and

a plurality of polar cameras coupled to the equatorial cameras and tilted above the plane.

12. (currently amended) ~~The outward facing camera system of Claim 1,~~ An outward facing camera system comprising:

a plurality of equatorial cameras distributed evenly about an origin in a plane; and

a plurality of polar cameras coupled to the equatorial cameras and tilted above the plane, wherein a vertical field view of a first polar camera is equal the vertical field view of a second polar camera.

13. (currently amended) ~~The outward facing camera system of Claim 1,~~ An outward facing camera system comprising:

a plurality of equatorial cameras distributed evenly about an origin in a plane; and

a plurality of polar cameras coupled to the equatorial cameras and tilted above the plane, wherein a horizontal

field view of a first polar camera is equal the horizontal field view of a second polar camera.

14. (currently amended) ~~The outward facing camera system of Claim 1,~~ An outward facing camera system comprising:

a plurality of equatorial cameras distributed evenly about an origin in a plane; and

a plurality of polar cameras coupled to the equatorial cameras and tilted above the plane, wherein a vertical field of view of a polar camera is equal to the vertical field of view of a equatorial camera.

15. (currently amended) ~~The outward facing camera system of Claim 1,~~ An outward facing camera system comprising:

a plurality of equatorial cameras distributed evenly about an origin in a plane; and

a plurality of polar cameras coupled to the equatorial cameras and tilted above the plane, wherein a horizontal field of view of a polar camera is equal to the horizontal field of view of a equatorial camera.

16. (original) The outward facing camera system of Claim 1, further comprising a polar camera coupled to the equatorial cameras and tilted below the plane.

17. (original) The outward facing camera system of Claim 16, wherein the polar camera is perpendicular to the plane.

18. (original) The outward facing camera system of Claim 1, further comprising a second plurality of polar cameras coupled to the equatorial cameras and tilted below the plane.

19. (original) The outward facing camera system of Claim 1, wherein each of the equatorial cameras and each of the polar cameras is a video camera.

20. (cancelled)

21. (original) The outward facing camera system of Claim 1, wherein the plurality of polar cameras are tilted by the same equatorial offset angle.

22. (currently amended) ~~The outward facing camera system of Claim 1, having four equatorial cameras in the plurality of equatorial cameras and three polar cameras in the first plurality of polar cameras.~~ An outward facing camera system comprising:

four equatorial cameras distributed evenly about an origin in a plane; and

three polar cameras coupled to the equatorial cameras and tilted above the plane

23. (original) The outward facing camera system of Claim 22, further comprising a second plurality of three polar cameras tilted below the plane.

24. (currently amended) A outward facing camera system comprising:

a first camera;

a second camera coupled to and adjacent to the first camera, wherein the first camera and the second camera are offset by a first offset angle; wherein the first offset angle is approximately 90 degrees; and

a third camera coupled to and adjacent to the first camera, wherein the first camera and the third camera are offset by a second offset angle differing from the first offset angle.

25. (cancelled)

26. (currently amended) ~~The outward facing camera system of Claim 26,~~ A outward facing camera system comprising:

a first camera;

a second camera coupled to and adjacent to the first camera, wherein the first camera and the second camera are offset by a first offset angle; and

a third camera coupled to and adjacent to the first camera, wherein the first camera and the third camera are offset by a second offset angle differing from the first offset angle, wherein second offset angle is in the range of 52 to 76 degrees inclusive.

27. (currently amended) ~~The outward facing camera system of Claim 24, further comprising~~ A outward facing camera system comprising:

a first camera;

a second camera coupled to and adjacent to the first camera, wherein the first camera and the second camera are offset by a first offset angle; and

a third camera coupled to and adjacent to the first camera, wherein the first camera and the third camera are offset by a second offset angle differing from the first offset angle; and

a fourth cameras coupled to and adjacent to the third camera; wherein the third camera and the fourth camera are offset by a third offset angle.

28. (original) The outward facing camera system of Claim 27, wherein the third offset angle is approximately 120 degrees.

Q! 29. (cancelled)

30. (cancelled)

31. (cancelled)

32. (cancelled)
